

GUIDE TO SERVICES

Current Research Information System

*Your Source of Project Information on
Agricultural and Forestry Research*

Participating Institutions

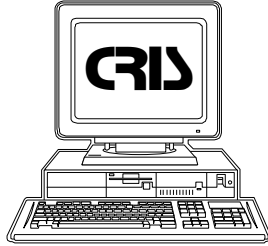
U.S. Department of Agriculture

Agricultural Research Service
Cooperative State Research, Education,
and Extension Service
Economic Research Service
Foreign Agricultural Service
Forest Service
Rural Business-Cooperative Service

State Institutions

State Agricultural Experiment Stations
and Land-Grant Institutions
1890 Institutions and Tuskegee University
Cooperating Schools of Veterinary
Medicine
State Forestry Schools

CRIS is part of
Science and Education Resources
Development
Cooperative State Research, Education,
and Extension Service
U.S. Department of Agriculture



THE CRIS SYSTEM

In Brief

Purpose

CRIS (Current Research Information System) is USDA's computer-based documentation and reporting system for ongoing agricultural, food and nutrition, and forestry research. CRIS is designed to provide ready access to information about research conducted primarily within the USDA/state agricultural research system. You can use CRIS to plan research, avoid costly duplication, determine current areas of emphasis, or establish valuable contacts.

File Content

CRIS contains over 30,000 descriptions of current, publicly supported agricultural and forestry research projects of the USDA agencies, the State Agricultural Experiment Stations, the state university land-grant system, and other cooperating state institutions. Approximately 4,000 new project descriptions and about 20,000 progress and publication reports updating existing projects are entered in CRIS annually. The database is updated weekly.

Record Content

The basic unit of project documentation in CRIS is the Research Work Unit. Typically, this is a three- to five-year research activity at a single location. The research generally focuses on a clearly definable problem, a manageable phase of a larger problem, or a few closely related elements

of a broad-based research program. Each project includes information on:

- WHAT is being done.
- WHO is doing it.
- WHERE it is being conducted.
- WHEN it is performed.
- PROGRESS achieved.
- PUBLICATIONS produced.

Subject Coverage Research projects are typically problem oriented. Areas of research included in CRIS are:

- Management, conservation, and use of soil, water, forest, and range resources.
- Protection of crops and livestock from insects, diseases, pests, and other hazards.
- Biological efficiency and production management systems for crops, livestock, poultry, and fish.
- Farm and forest product development, and improvement of product quality.
- Marketing of crop, animal, and forest products.
- Foreign trade and market development.
- Food and human nutrition, health and safety, and consumer protection.
- Rural and community development.
- Family resource management and use.
- Fish and wildlife management, outdoor recreation, pollution, and environmental quality.

Subfiles The CRIS technical database also contains several subfiles on agricultural and related research conducted by other federal agencies and foreign institutions.

The Human Nutrition Research and Information Management System (HNRIMS) subfile contains narrative summaries on approximately 4,000 projects which describe human nutrition research conducted or sponsored by participating federal agencies. The subfile is prepared jointly by the U.S. Department of Agriculture and the National Institutes of Health, U.S. Department of Health and Human Services.

The Inventory of Canadian Agri-Food Research (ICAR) subfile is a comprehensive, up-to-date database for agricultural and food research in Canada. ICAR describes over 4,000 projects from industry, universities, and provincial and federal establishments and is produced by the Canadian Agri-Food Research Council.

The Czech Agricultural Research Information System (CZARIS) subfile describes some 200 current Czech agricultural, forestry, and food and nutrition research projects and is produced by the Institute of Agricultural and Food Information, Ministry of Agriculture of the Czech Republic.

Depending on the search protocols of the host system, CRIS subfiles may be searched independent of or concurrent with the larger CRIS file.



ACCESS TO CRIS

via INTERNET, CD-ROM,
DIALOG, and INHOUSE

The CRIS database may be accessed directly over the Internet, on the AGRISEARCH CD-ROM produced by SilverPlatter Information, Inc., and through DIALOG, the commercially available online retrieval system of Knight-Ridder Information, Inc. Additionally, custom CRIS inhouse search service is available to research scientists and managers at CRIS participating institutions.

Internet Access

CRIS is available on the Internet over the World Wide Web through one of the WWW browsers (e.g., Netscape or Internet Explorer). The database may be accessed at two Web sites.

CRIS WEB SITE. This site provides access to all data in CRIS records. Both full text and field searching, including use of Boolean operators, affords maximum retrieval capability for users. An "Expert Search" mode provides even greater flexibility for experienced searchers. The CRIS Web Site may be accessed directly or through links from other sites.

Direct URL Address:

<http://cristel.nal.usda.gov:8080>

Other sites providing links include:

CRISFRMS Home Page:

<http://ctr.uvm.edu/cris/intro.htm>

CSREES Home Page:
<http://www.reeusda.gov> (click on
Programs, then Program Title)

National Agricultural Library Home Page:
<http://www.nal.usda.gov> (click on
Internet Sites)

COS WEB SITE. The Community of Science (COS) site also provides access to the CRIS file as well as to other science-related databases. (Access to selected COS databases requires a subscription.) Capability for both full text and field searching of CRIS records is provided.

Direct URL Address:
<http://cos.gdb.org>

CD-ROM Access

CRIS on AGRISEARCH is an enhanced version of the database on CD-ROM. In addition to the complete file of research projects, CRIS on AGRISEARCH includes a listing of citations to publications produced over the life of each research project. Begun in 1991 and updated semi-annually, the CD-ROM database provides access to some 50,000 projects and a cumulative listing of over one-half million citations to publications produced from within the USDA/state agricultural research system. To subscribe to AGRISEARCH, contact:

SilverPlatter Information, Inc.
100 River Ridge Drive
Norwood, MA 02062-5026
(800) 343-0064
(617) 769-2599

Access on DIALOG

Searching CRIS on DIALOG is interactive, and includes both free-text and field searching. Individual words or combinations

of words and phrases in narrative text, and data in non-text fields may be specified in a search. Search capabilities include use of Boolean and proximity operators, range searching, truncation (open, restricted, and embedded), search term qualification, and access to word and phrase indexes. Both predefined and user-defined formats and several sort options are available. To arrange for a DIALOG password and service account, contact:

Knight-Ridder Information, Inc.
2440 El Camino Real
Mountain View, CA 94040-1400
(800) 334-2564
(415) 254-8800

Arrangements for CRIS searches on DIALOG can also be made with local offices or libraries that have DIALOG access or with commercial online search services. CRIS is File 60 on DIALOG.

CRIS Inhouse Services

Inhouse searches of the CRIS database, prepared by CRIS staff, are provided at no charge to research scientists and managers at CRIS participating institutions. Requests from counterparts in other federal and state agencies, local governments, and educational institutions are honored as time and resources permit. Requests from private organizations and the public are referred to commercial search services.

Requesting Service

USDA and state users who want to request a CRIS search should complete Form AD-427, "Request for Information Retrieval." (For a sample form, see pages 18-19.) Others may submit requests, preferably by letter, specifying:

- User name, mailing address, and telephone number.

- Date information is needed.
- Topic or subject area to be searched (within 100 words).
- Purpose of the request.

USDA and state users may also submit requests via e-mail over the Internet. (See page 20 for details.)

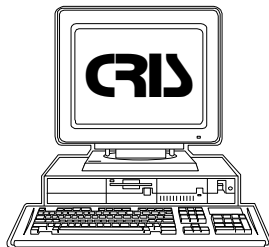
Send your request to: Current Research Information System
Science and Education Resources
Development
Cooperative State Research, Education,
and Extension Service/USDA
National Agricultural Library Bldg, 5th Floor
Beltsville, MD 20705-2351

Fax
(301) 504-6272

E-Mail
CRIS@CRIS.NAL.USDA.GOV

For urgent requests or to discuss your information needs with a CRIS Technical Search Analyst, call:

(301) 504-5850
(301) 504-6846



GETTING STARTED

On CRIS/USDA on DIALOG

The DIALOG Connection

CRIS/USDA on DIALOG is the publicly accessible CRIS online database produced by Knight-Ridder Information, Inc. It is updated monthly and available for searching 24 hours daily. CRIS/USDA is FILE 60 on DIALOG. Knight-Ridder provides you with a password when you sign up for service. CRIS is just one of the many databases you can access on DIALOG with the same password -- AGRICOLA, BIOSIS Previews, CAB ABSTRACTS, and CA SEARCH are some of the others.

Searching

CRIS online searching is interactive. At any point in your search, you can either broaden or narrow your focus. Using Boolean operators AND, OR, & NOT to link your search statements, you can change your strategy during the search process. You can retrieve projects based on investigator's name, performing organization name or location, state or agency sponsor, or project type. Or you can retrieve all projects in the file dealing with a particular process, organism, or subject area. All words in the text of CRIS projects are searchable.

Project Retrieval

You can type or display projects at your terminal or download them for later use, or you can issue a PRINT command to print projects "offline." Offline prints are mailed to you the same day from the DIALOG computer facility in California. You can get the information pre-sorted and in a variety of user-defined or predefined formats. An

example of a complete CRIS record is displayed in the following section.

- Signing Up for Service** If you want to do your own searching, you'll need to arrange for your own password and service account with Knight-Ridder. However, many libraries already have the equipment and staff capable of searching CRIS for you. If a library can service your request, you won't need a password and service account--in many cases, you simply pay over-the-counter search costs.
- Costs** Searching CRIS/USDA on DIALOG costs \$15 per connect hour and 55 cents per full record typed online or printed offline. Telephone communication charges are additional. Users also pay an annual fee of \$75 per password and a service initiation fee of \$295. There is no required minimum usage, and users can cancel service at any time.
- Federal Users** Users in federal agencies and departments who expect to do a fair amount of searching should contact the Federal Library and Information Network (FEDLINK) before establishing a DIALOG account. FEDLINK offers discount rates for database usage to federal offices, libraries, and information centers; savings to high-volume users can be substantial. For more information on this service, contact: FEDLINK, Library of Congress, Washington, DC 20540-5110. Phone: (202) 707-4900 or (202) 707-4800.
- DIALOG Training** For efficient searching on any database on DIALOG, familiarity with basic DIALOG search techniques, command codes, and system features is required. Beginning users who have no experience in online searching can acquire basic skills through

introductory DIALOG training at one-day seminars offered by Knight-Ridder at various locations throughout the year. Knight-Ridder will provide the dates and places of upcoming seminars nearest you. Registration for the one-day seminar is \$140. A useful reference tool is *Getting Started on DIALOG: A Guide to Searching*. This is the basic system manual covering DIALOG commands and search procedures. (Order from Knight-Ridder. Price: \$30 plus tax and handling.)

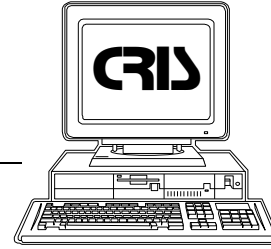
CRIS Training

Individuals familiar with DIALOG searching can register for one-day CRIS workshops held at the National Agricultural Library and conducted by CRIS staff. CRIS workshops target special CRIS file characteristics a user needs to know to search the file effectively. Contact the CRIS office for dates of scheduled workshops. There is no course fee for USDA, other federal, and state land-grant personnel.

Instruction in the use of basic skills needed for DIALOG searching is also offered as part of the National Agricultural Library's AGRICOLA workshops. These immediately precede the CRIS workshops and are designed to give participants hands-on experience in searching AGRICOLA on DIALOG. For additional information on AGRICOLA/DIALOG training, call the National Agricultural Library at (301) 504-5204.

SAMPLE CRIS PROJECT

On DIALOG, CD-ROM, and the INTERNET



09152458
 PROJ NO: SC01389 AGENCY : CSRS SC.
 PROJ TYPE: HATCH REGIONAL PROJ NO: NC 00140
 START: 01 OCT 92 TERM: 30 SEP 97 FY: 1992
 INVEST: REIGHARD G L; OLIEN W C
 HORTICULTURE
 CLEMSON UNIVERSITY
 CLEMSON SOUTH CAROLINA 29634

ROOTSTOCK AND INTERSTEM EFFECTS ON POME AND STONE FRUIT
 TREES

PRIMARY CLASSIFICATION				GENERAL CLASSIFICATION		
RPA	ACTVTY	CMMDTY	SCNCE	PRCNT	PRGM	JTC
R304	A4900	C1000	F1312	040%	P3.13	J2A
R304	A5000	C1000	F0212	060%	P3.13	J2A

PRIMARY HEADINGS: R304 Biological Efficiency-Fruit,
 Vegetables; A4900 Biology of Plants and Animals; A5000
 Biological Efficiency of Plants, Animals; C1000 Deciduous
 and Small Fruits and Nuts; F1312 Physiology-Plant; F0212
 Biology-Environmental, Systematic-Plant

GENERAL HEADINGS: P3.13 Fruit; J2A Plant Production

SPECIAL CLASSIFICATION AND HEADINGS		
S1010	Deciduous Tree Fruits, General	100%
BASIC 000%	APPLIED 060%	DEVELOPMENTAL 040%

OBJECTIVES: To evaluate rootstock and multiple genetic systems
 in different environments. To determine biotic and abiotic
 stress tolerance of fruit trees in relation to new and
 existing rootstocks and multiple genetic systems.

APPROACH: Plantings of peach rootstocks developed in France,
 Japan, and the United States and interstems of current
 rootstocks and P.I.'s from a germplasm repository will be
 evaluated for fruiting precocity, productivity, scion growth
 regulation, anchorage, root suckers, adaptability to edaphic
 and climatic factors, and resistance to bacterial canker,
 bacterial spot, peach tree....

KEYWORDS: PLANT-DISEASE-RESISTANCE PEACHES ROOTSTOCKS
FRUIT-TREES PLANT-DISEASES PLANT-DISEASE-CONTROL GERM-PLASM
TREE-BREEDING SHORT-LIFE-(PEACHES) INTERSTEMS SCIONS
CRICONEMELLA-XENOPLAX ARMILLARIA-MELLEA TREE-GROWTH
TREE-HEIGHT FRUIT-SIZE CROP-YIELDS SUCKERING PLANT-STRESS
STRESS-TOLERANCE #JC93-13

PROGRESS:9401 TO 9412

Tree growth, yield, and survival data for a 'Redglobe' peach orchard were significantly different among the 22 commercial and experimental rootstocks and 5 interstem combinations tested. The most vigorous rootstocks were Higama, Myran, and Nemaguard which were 35 to 46% larger in trunk cross-sectional area than Lovell, the control. The highest yielding rootstocks were Myran interstem, Ishtara interstem, Montclar, and Nemaguard interstem which averaged 55 to 60 kg/tree versus Lovell's 50 kg/tree. The French....

PUBLICATIONS: 9401 TO 9412

REIGHARD, G.L. 1994. Field performance of 28 Prunus rootstocks and interstems in South Carolina. HortScience 29(5):476. OKIE, W.R., T.G. BECKMAN, A.P. NYCZEPIR, G.L. REIGHARD, W.C. NEWALL, JR. AND E.I. ZEHR. 1994. A peach rootstock for the southeastern United States that increases scion longevity. HortScience 29(6):705-706.

PUBLICATIONS HISTORY
(ON CD-ROM ONLY)

PB: 9301 TO 9312

REIGHARD, G.L., et. al. 1993. Second generation performance of new peach rootstocks. IN/Proc. SE Prof. Fruit Workers Conf. REIGHARD, G.L., et. al. 1993. Performance of selected peach rootstocks on a severe peach tree short life site. HortScience 28(5):455. OKIE, W., BECKMAN, T. and REIGHARD, G. 1993. Provisional release of BY520-9 peach rootstock for the southeastern United States. HortScience 28(5):455.

PB: 9201 TO 9212

REIGHARD, G. L., NEWALL, W. C., ZEHR, E. I., OKIE, W. R., and BECKMAN, T. G. 1992. Improved peach tree productivity and survival of a new rootstock selection. Proc. 6th Stone Fruit Decline Workshop. Fort Valley, GA (8 p). REIGHARD, G. L., ELLIS, D., and GRAHAM, C. 1992. Dormant season carbohydrate levels of peach scions on a short life site. HortScience 27(6):589. (Abstract). BECKMAN, T. G. and REIGHARD, G. L. 1992. Peach rootstocks. Proc. 1992 National/Southeastern Peach Convention. Savannah, GA. In press (6 p).

PB: 9101 TO 9112

REIGHARD, G. L. 1991. Peach rootstocks for problem soils. Proc. 1991 National/South-eastern Peach Convention. Hilton Head, SC. p. 25-31.

SUPPLEMENTARY DATA

ORG CODE: 001430; INST CODE: 003425; REG: 2; PROCESS DATE:
921019; PROGRESS UPDATE: 950410; PROJECT STATUS: REVISED

SUBFILE: CRIS



CRIS SEARCH AIDS

The following search aids are available from CRIS at no charge to users in USDA and participating state institutions. Others may purchase copies from NTIS (National Technical Information Service).

***CRIS/USDA Online Access Guide:
Revision I***

(188 pages)

A guide to searching the CRIS file on DIALOG--for users familiar with online searching on the DIALOG system. Contains CRIS retrieval and sort codes, descriptions of access fields, and examples of output formats.

NTIS ORDER NUMBER: PB 92-172857

PRICE CODES: Paper Copy - A08

Microfiche - A02

***Manual of Classification of Agricultural
and Forestry Research: Revision V***

(257 pages)

Gives descriptions and retrieval codes for the research classification scheme used in CRIS. Includes classifications for Activity; Commodity, Resource, or Technology; Subcommodity; Field of Science; Research Problem Area (RPA); Special Categories; and Special Areas. Contains detailed descriptions for each RPA and procedures for classification.

NTIS ORDER NUMBER: PB 93-207876

PRICE CODES: Paper copy - A12

Microfiche - A03

Permuted Keyword Bank in CRIS

(304 pages)

A listing of keywords used for indexing and retrieving research projects documented in CRIS. Contains over 19,000 entries, with an additional 12,000 permutations of multi-word terms, merged and listed alpha-betically with main entries.

NTIS ORDER NUMBER: PB 92-179456

PRICE CODES: Paper copy - A13

Microfiche - A03

To order: U.S. Department of Commerce
National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161-0002
(703) 487-4650

Orders are payable by check, money order,
or credit card.



FORM AD-427 INSTRUCTIONS

Form AD-427, Request for Information Retrieval, is used for requesting CRIS searches conducted by CRIS staff. A sample Form AD-427 is shown on pages 18-19.

Completing the Form

1. **Requested by** - Enter name, organization, address, and telephone number.

2. **Date submitted** - Enter date the request is prepared.

3. **Date needed** - Routine requests are usually processed within two weeks from date of receipt in CRIS. Requests for information in less time should be made only when necessary.

4. **Requested for** - Enter name and telephone number of person (if different from requester) who can be contacted in the event questions arise concerning the search formulation.

5. **Subject or area of interest to be searched** - To ensure accurate interpretation of your request, provide a narrative statement or a brief outline describing your requirements in terms of: (a) general area of interest, and (b) specific subjects or subordinate concepts involved. Be sure to include the particular resources, commodities, or technologies that form the core of the request. Submit each request on a separate form, and indicate whether

the search should be broad or narrow in scope. Include the purpose or intended use of the information for unusually large or complex requests.

6. Output - A standard technical retrieval includes names of principal and co-investigators, performing organization name and location, and descriptive elements for each project, including title, objectives, approach, and most recent progress report and publication citations. Nonstandard formats should be described briefly. Updates or reruns of previous CRIS retrievals should identify the original CRIS ID Number.

7. Keywords - Select from the *Permuted Keyword Bank in CRIS* or enter words of your own choosing.

8. - 12. Classification Codes - Every CRIS project is classified according to four primary research classifications and, in many cases, special classifications as well. See the *Manual of Classification of Agricultural and Forestry Research* for descriptions. Completion of these items on Form AD-427 is optional. Use only if classification codes will clarify your request.

13. Submitted by - Your organization may require requests to be authorized by a centralized office.

FORM AD-427

REQUEST FOR INFORMATION RETRIEVAL

U. S. Department of Agriculture
Current Research Information System (CRIS)

Request ID no. For CRIS use only
--

Note: See pages 16-17 for detailed instructions. Items 1 through 7 must be completed.

1. **Requested by** *(Name, organization, address, and telephone no.)*

2. **Date submitted** *(Mo., day, yr.)*

3. **Date needed** *(Mo., day, yr.)*

4. **Requested for** *(Name and telephone no. - if different from item 1)*

5. **Subject or area of interest to be searched** *(Include statements describing the specific topic of your request - continue on reverse if necessary.)*

6. **Output** *(See description on page 17.)*

<input type="checkbox"/> Standard Technical	or	<input type="checkbox"/> Principal Investigator	<input type="checkbox"/> Title	<input type="checkbox"/> Progress	
		<input type="checkbox"/> Performing Organization	<input type="checkbox"/> Objectives	<input type="checkbox"/> Publications	or <input type="checkbox"/> Other (specify):
		<input type="checkbox"/> Location	<input type="checkbox"/> Approach		

7. **Keywords** *(Select from Keyword Bank or enter words of your own choosing.)*

Classification Codes

(Completion of the following items is optional. Use only if needed to clarify your request. See instructions on page 17.)

8. **Activities**

9. **Commodities, Resources, or Technologies** *(Prime and/or sub-classification)*

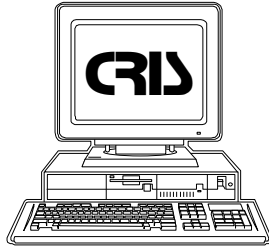
10. **Fields of Science**

11. **Research Problem Areas** *(RPA's)*

12. **Special Classification** *(Pollution, health and medical, pesticide targets, energy, etc.)*

13. **Submitted by** *(Authorized Signature)*

14. **Title**



REQUESTING CRIS SEARCHES

via E-Mail

To submit a CRIS search request via E-Mail over the INTERNET, information from Form AD-427 must be entered and sent as a regular message to the CRIS mailbox.

The Request Procedure

To submit a search request to CRIS:

Address your message to:

CRIS@CRIS.NAL.USDA.GOV

In the text of the message enter all information requested on Form AD-427, then send.

For further information, call or write:

Current Research Information System
Science and Education Resources
Development
Cooperative State Research, Education,
and Extension Service/USDA
National Agricultural Library Bldg, 5th Floor
Beltsville, MD 20705-2351

Telephone
(301) 504-6846

Fax
(301) 504-6272

E-Mail
CRIS@CRIS.NAL.USDA.GOV